

Appln. No. 10/733,957
Response to Office Action dated Nov. 3, 2004
Amdt. dated Dec. 16, 2004

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-59. (Canceled)

60. (Currently Amended) ~~A sensor~~ An apparatus for sensing pressure applied to a seat by an occupant of the seat and for controlling deployment of an airbag, comprising:

a bladder ~~having~~ defining a chamber, the said bladder being adapted to be arranged in a seat portion of the seat;

a control module; and

a transducer pressure sensor for measuring a pressure in the said chamber, said pressure sensor generating a signal based on the measured pressure in said chamber and providing said signal to said control module,

wherein said control module is arranged to control deployment of the airbag ~~is controlled based at least in part on the pressure measured in the chamber.~~

61. (Canceled)

62. (Currently Amended) A method for controlling an occupant restraint device arranged to protect an occupant in a vehicle in a crash involving the vehicle, comprising the steps of:

arranging a bladder ~~having~~ defining a chamber in a seat portion of a seat in the vehicle;

measuring a pressure in the chamber;

providing a signal based on the measured pressure in the chamber to a control module; and

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controlling deployment of the occupant restraint device ~~based at least in part on the measured pressure by means of the control module.~~

63. (Canceled)

64. (Previously Presented) The method of claim 62, wherein the occupant restraint device is an airbag.

65. (Currently Amended) A vehicle including a system for protecting an occupant in [[a]] the vehicle in a crash involving the vehicle, comprising:

a seat having a seat portion;

a bladder having a chamber, the said bladder adapted to be being arranged in [[a]] said seat portion of a seat in the vehicle;

a control module;

a transducer pressure sensor for measuring a pressure in the said chamber, said pressure sensor generating a signal based on the measured pressure in said chamber and providing said signal to said control module, and

an occupant restraint device arranged in the vehicle to protect the occupant of the vehicle,

wherein said control module is arranged to control deployment of the said occupant restraint device is controlled based at least in part on the pressure measured in the chamber.

66. (Previously Presented) The system of claim 65, wherein the occupant restraint device is an airbag.

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67. (New) The method of claim 62, further comprising the step of controlling at least one other vehicular system, subsystem or component by means of the control module.

68. (New) The method of claim 67, wherein the at least one other system, subsystem or component is a pressure control device which controls pressure in the chamber.